ME 2110 Creative Decisions and Design

Georgia Tech

ME2110 is the second year design / build course in which all students in the School of Mechanical Engineering at Georgia Tech participate. Typically, there are 250-300 students enrolled in the course during the fall or spring semesters and about 100 students during the summer semester.

In the course, students learn fundamental techniques for creating, analyzing, synthesizing, and implementing design solutions to open-ended problems through team and individual efforts. They also learn microprocessor technology, state-of-the-art Internet technology, how to safely use machine tools, and how to work in teams to design, build, and participate in a design competition.

ME2110 stresses techniques used in industry. Students receive hands-on experience in designing and building a robot using mechatronics, pneumatics and basic mechanics. The class concludes with a competition, where corporate sponsors are invited to interview student teams on their design process and students have their robots compete with other teams. This contest is a good recruitment platform for hiring co-ops/interns.

For more information, please contact Dr. Amit S. Jariwala (amit.jariwala@gatech.edu; 404-894-3931)

Sponsorship Levels

Platinum Sponsor: One time donation of \$25,000

- Corporate branding on the robotic supply kits issued to every student team enrolled in the class. The kit contains pneumatic and electronic actuators, sensors, etc., that the student teams will use to build the semester design project
- Corporate branding and visibility on course website, course materials (textbook, iBook), ME2110 labs and ME2110 contest.
 Invitation to attend and judge ME2110 contest and to directly
- interact with student teams (for 2 years)

Gold Sponsor: Annual donation of \$10,000

- Corporate branding and visibility on the course website, course materials (textbook, iBook), ME2110 labs and ME2110 contest
- Invitation to attend and judge ME2110 contest and to directly interact with student teams
- Special invitation to share a technical case study with the entire student class and interact with students during a class lecture

Silver Sponsor: Annual donation of \$5,000

- Similar benefits as the Gold Sponsor, but without the opportunity to share a technical case study with the class

How will the funds be used?

- Course infrastructure including pneumatic components, electronic actuators, sensors, machine tools, mechatronics, etc.
- Materials, supplies and prizes for the end of semester contest
- iPads with interactive textbooks for the class